Title (en)

CONDUCTIVE COATING COMPOSITION AND METHOD FOR MANUFACTURING A CONDUCTIVE LAYER USING SAME

Title (de)

LEITFÄHIGE BESCHICHTUNGSZUSAMMENSETZUNG UND VERFAHREN ZUR HERSTELLUNG EINER LEITFÄHIGEN SCHICHT DARAUS

Title (fr)

COMPOSITION DE REVÊTEMENT CONDUCTEUR ET PROCÉDÉ DE FABRICATION D'UNE COUCHE CONDUCTRICE À L'AIDE DE CELLE-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2594613A2] Provided are a conductive paint composition and a method for manufacturing a conductive film using the same. The conductive paint composition of the present invention includes: a dispersant made of a block copolymer consisting of a hydrophilic polymer unit and a hydrophobic polymer unit; a conductive material made of a surface-modified carbon compound; a polymer binder: and a medium containing water, an organic solvent, or a mixture thereof. The conductive paint composition is coated and cured on the substrate to form the conductive film, thereby controlling a surface structure of the substrate, and thus, imparting uniform antistatic function, electrostatic dissipation (ESD), conductivity, electromagnetic interference shield function to the substrate.

IPC 8 full level

C09D 5/24 (2006.01); **B05D 3/00** (2006.01); **C09D 7/45** (2018.01); **C09D 7/47** (2018.01); **C09D 7/62** (2018.01); **C09D 133/08** (2006.01); **C09D 175/06** (2006.01); **H01B 5/14** (2006.01); C09D 153/00 (2006.01); C09D 201/00 (2006.01)

CPC (source: EP KR US)

B05D 1/28 (2013.01 - KR); **B29C 55/02** (2013.01 - KR); **B41F 23/0443** (2013.01 - KR); **C08J 5/18** (2013.01 - KR); **C08J 7/00** (2013.01 - KR); **C08J 7/044** (2020.01 - KR); **C08K 3/04** (2013.01 - KR); **C08K 3/041** (2017.04 - KR); **C08K 9/00** (2013.01 - KR); **C08L 25/14** (2013.01 - KR); **C09D 5/24** (2013.01 - EP KR US); **C09D 7/45** (2017.12 - EP US); **C09D 7/47** (2017.12 - KR); **C09D 7/61** (2017.12 - KR); **C09D 7/62** (2017.12 - EP KR US); **C09D 7/65** (2017.12 - KR); **C09D 7/66** (2017.12 - KR); **C09D 133/00** (2013.01 - KR); **C09D 133/08** (2013.01 - EP US); **C09D 133/14** (2013.01 - EP US); **C09D 135/06** (2013.01 - EP US); **C09D 153/00** (2013.01 - KR); **C09D 175/04** (2013.01 - KR); **C09D 175/06** (2013.01 - EP US); **H01B 1/24** (2013.01 - EP US); C08J 2300/00 (2013.01 - KR); C08J 2433/00 (2013.01 - KR); C08J 2453/00 (2013.01 - KR); C08J 2475/04 (2013.01 - KR); C08K 2201/003 (2013.01 - KR); C08L 2201/50 (2013.01 - EP US)

Citation (search report)

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